Naguib 2000-0238

Som.

4. The receiver of claim 3 where said signal are developed in said transmitter by applying an outer coder to information signals, mapping results of said outer coder, and passing results of said mapping through a trellis encoder.

Dated: 11/1/00

Respectfully, Ayman F Naguib Arthur R Galderbank

By // Brendzel

Reg. No. 26,844

Phone (973) 467-2025 Fax (973) 467-6589

email brendzel@home.com